

HGeo Chapter 3 Wups#1 9/17/10

Solve each system of equations for both "x" and "y".

1) $y = -x + 3$
 $y = -7x - 3$

2) $-6x - 6y = 24$
 $4x - y = -11$

3) $4x + y = -2$
 $x - y = -3$

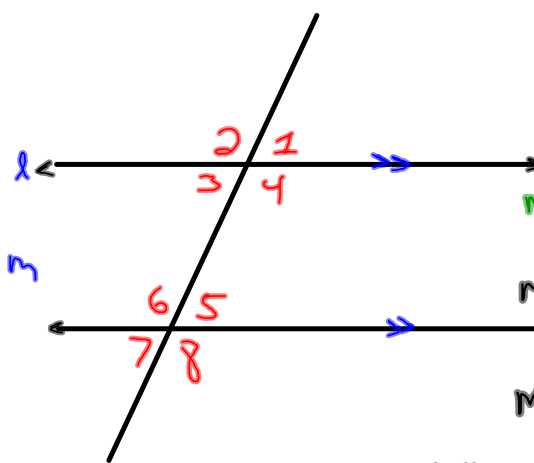
4) $7x + 4y = 16$
 $x + 2y = -2$

5) $4 = -x + 2y$
 $-12 = -7x + 4y$

6) $-2y - 6 + 3x = 0$
 $-6 = -6y + 3x$

HGeo Chapter 3 Wups#2 9/20/10

Justify each statement with either Corresponding angles, Same-Side Interior angles, Alternate Interior angles, or vertical angles.



STATEMENT	REASON
$m\angle 1 = m\angle 5$	_____
$m\angle 3 + m\angle 6 = 180^\circ$	_____
$m\angle 7 = m\angle 5$	_____
$m\angle 7 = m\angle 3$	_____
** $m\angle 1 = m\angle 5$?????



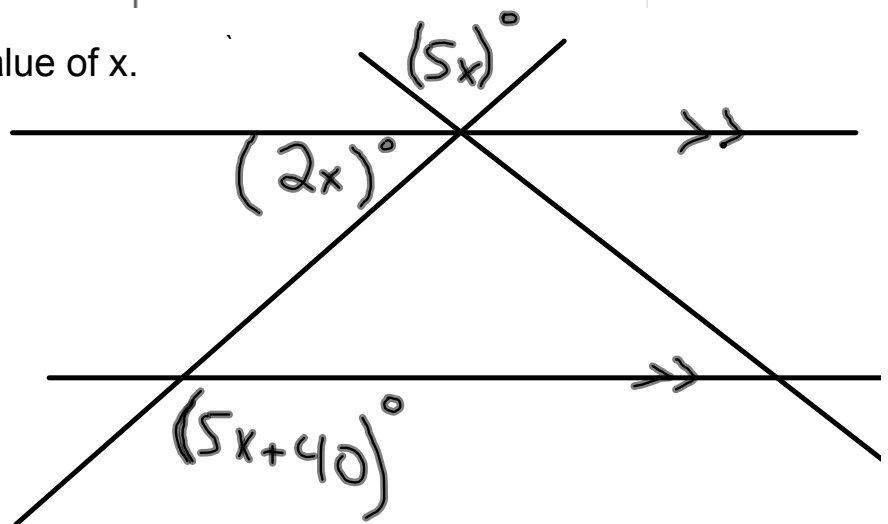
Solve each system of equations.

1) $-2x - 6y = -2$
 $6x - 7y = 6$

2) $y = \frac{1}{4}x - 1$
 $y = -\frac{1}{2}x - 4$

③

Find the value of x .



HGeo Chapter 3 Wups#4 9/27/10

Solve each system of equations for x and y .

$$\begin{aligned} 1) \quad & -4x + 6y = 4 \\ & -5x - 3y = 5 \end{aligned}$$

$$\begin{aligned} 2) \quad & y = \frac{1}{2}x + 3 \\ & y = -\frac{3}{4}x - 2 \end{aligned}$$

③

Find the equation of the line that is perpendicular to $y = 3x + 6$ and passes through the point $(-6, -1)$.